

Fig. 1

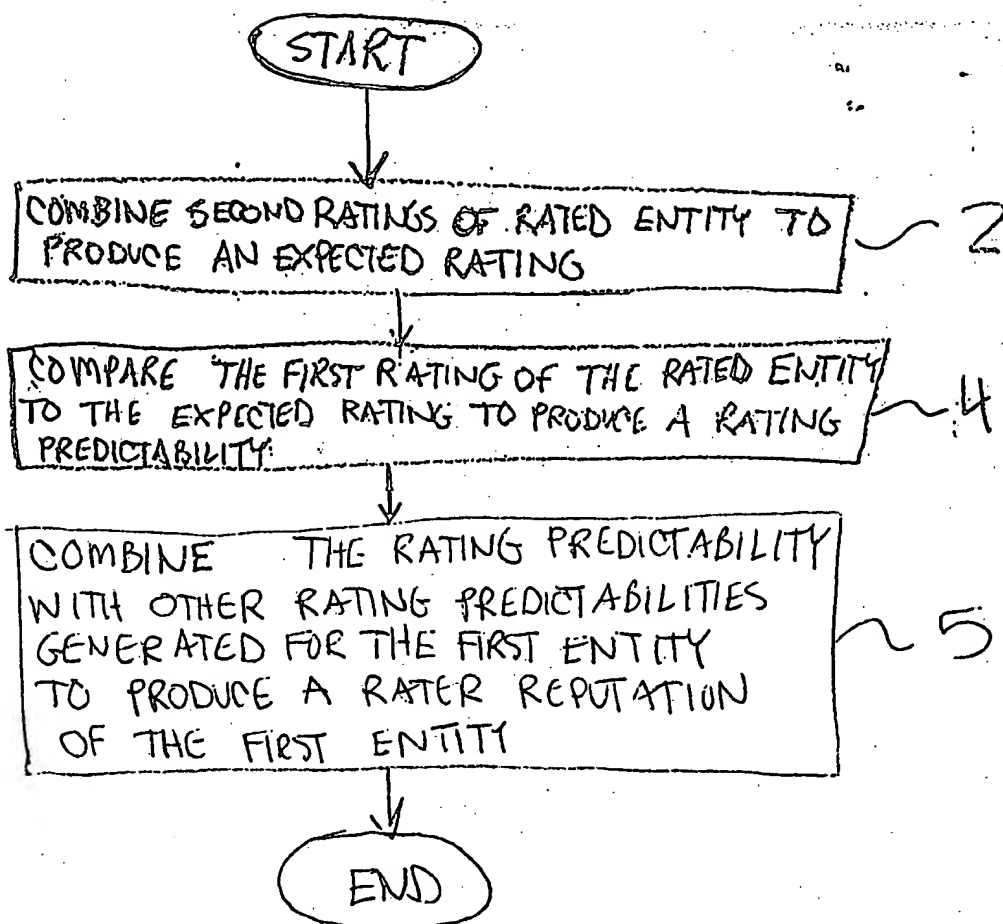


Fig. 2

5

26

28

~10

7-12

214

END

[illegible]

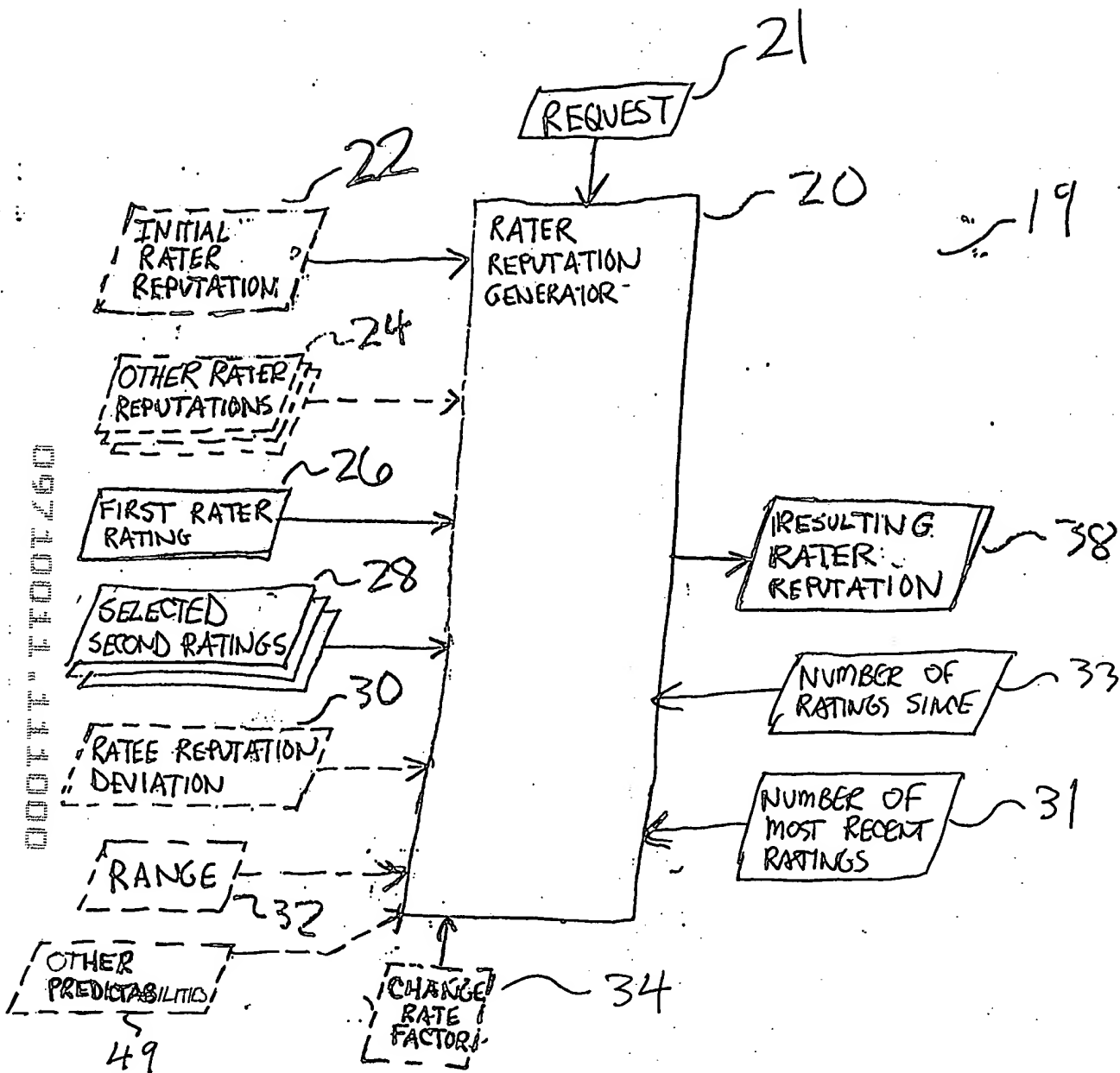


FIG. 4

32 RANGE 20 19

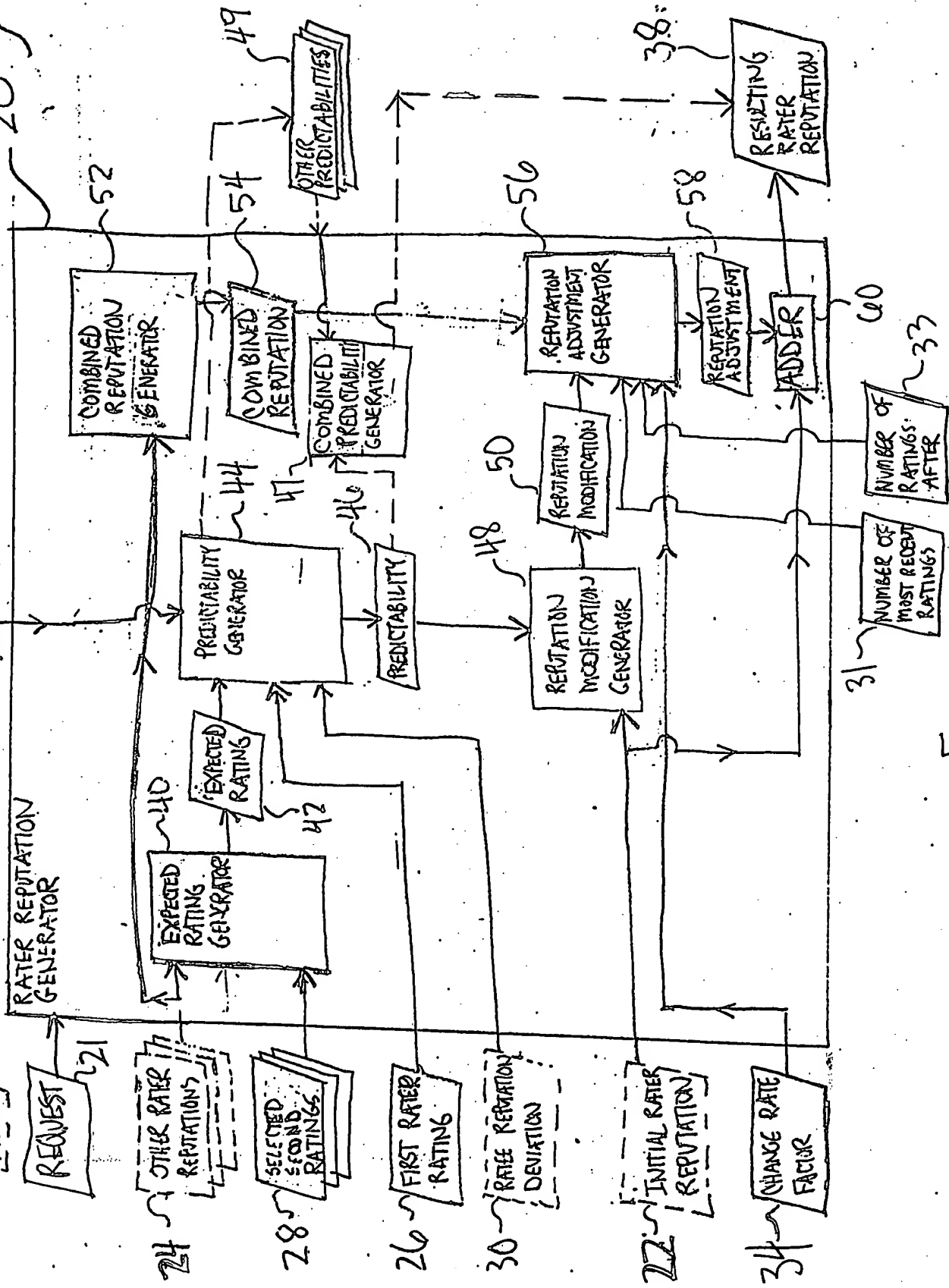
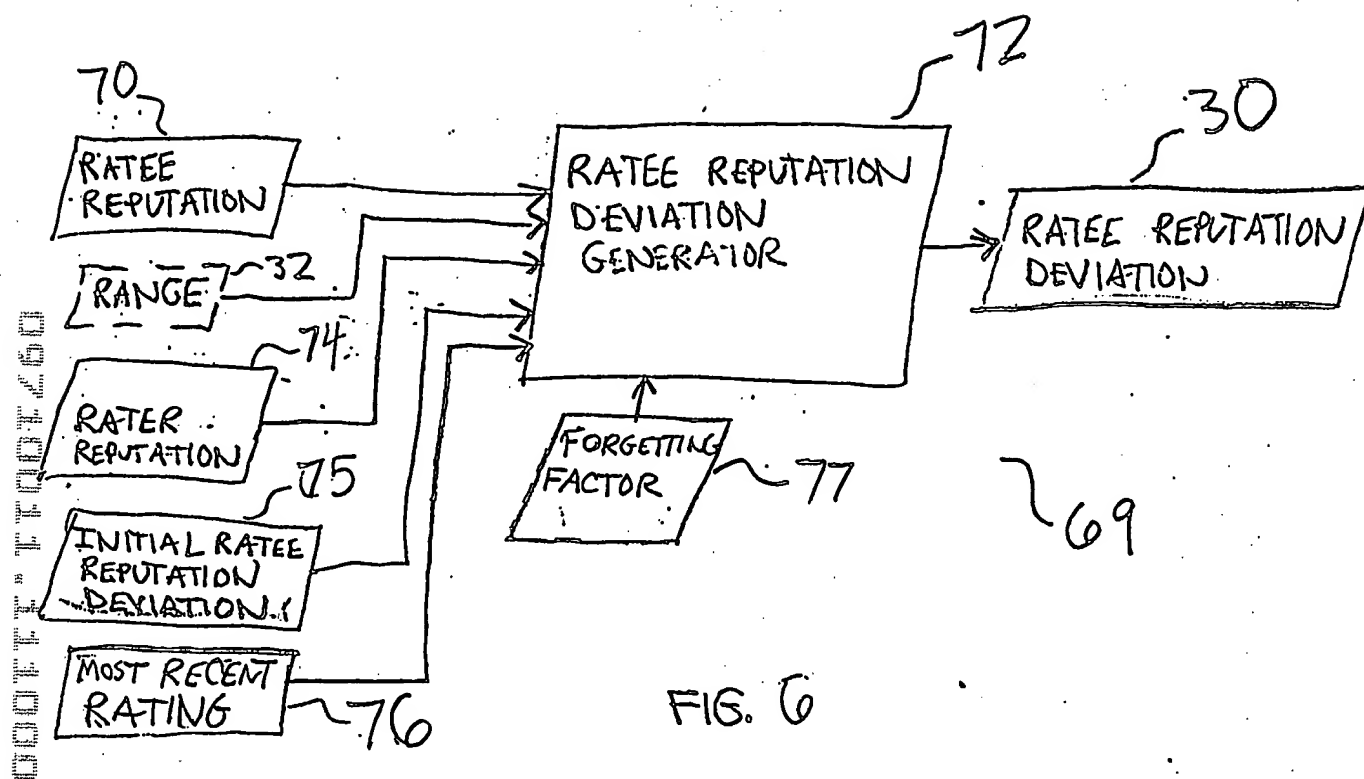


Fig. 5



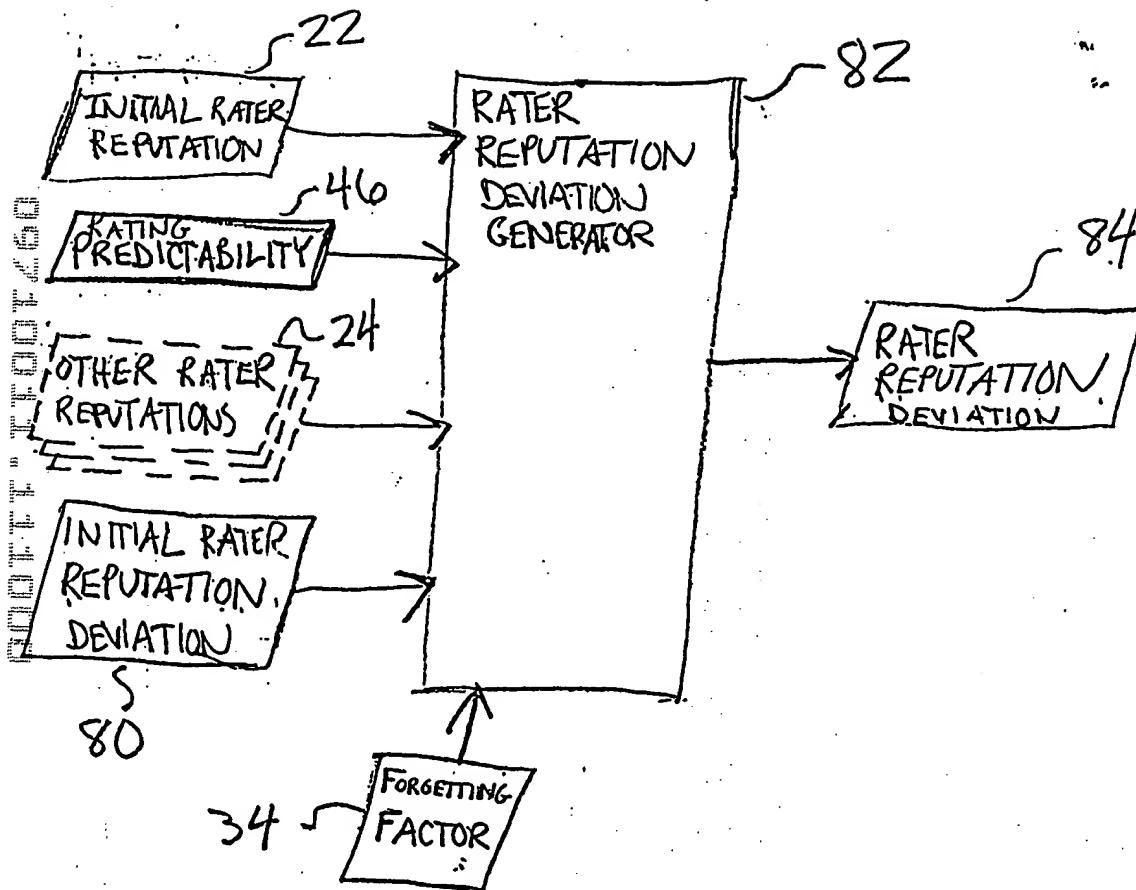


FIG. 7

START

DETERMINE AN EXPECTED RATING
FROM THE RANGE AND THE INITIAL
RATEE REPUTATION

SUBTRACT THE EXPECTED RATING
FROM THE FIRST RATING TO PRODUCE
A RATEE REPUTATION MODIFICATION

SCALE THE RATEE REPUTATION
MODIFICATION BY A RATER REPUTATION
OF THE RATING ENTRY TO PRODUCE
A SCALED RATEE REPUTATION
MODIFICATION

DAMP THE SCALED RATEE
REPUTATION MODIFICATION BY A
DAMPING FACTOR TO PRODUCE A
DAMPED RATEE REPUTATION
MODIFICATION

DIVIDE THE DAMPED RATEE REPUTATION
MODIFICATION BY A CHANGE RATE
FACTOR TO PRODUCE A RATEE REPUTATION
ADJUSTMENT

ADD THE RATEE REPUTATION
ADJUSTMENT TO THE INITIAL RATEE
REPUTATION TO PRODUCE A RESULTING
RATEE REPUTATION

END

FIG. 8

START

PERFORM A BREADTH-FIRST SEARCH BEGINNING AT THE SECOND ENTITY TO DETERMINE, FROM ONE OR MORE RATING PATHS, ONE OR MORE FIRST RATING PATHS THAT HAVE A FIRST LENGTH

FOR EACH DETERMINED FIRST RATING PATH, IDENTIFY A THIRD ENTITY THAT HAS A LEVEL EQUAL TO OR LESS THAN THE FIRST LENGTH

FOR EACH IDENTIFIED THIRD ENTITY, DETERMINE A FIRST RATING OF THE FIRST ENTITY PROVIDED BY THE THIRD PARTY

COMBINE THE FIRST RATINGS

PRODUCE THE PERSONALIZED RATEE REPUTATION BY WEIGHTING THE COMBINED FIRST RATINGS AS A FUNCTION OF THE FIRST LENGTH

END

Fig. 10

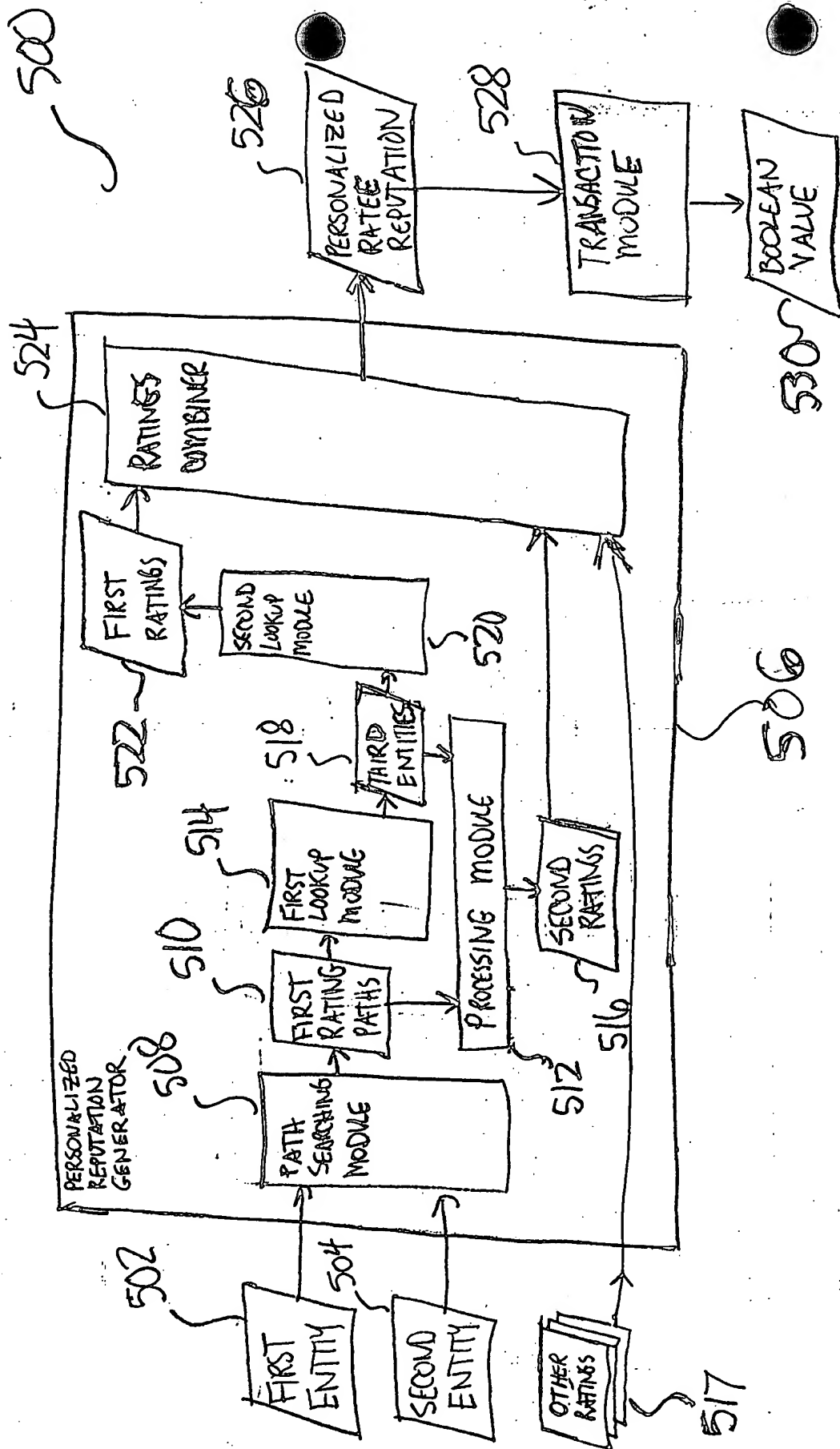


Fig. 11

16.9

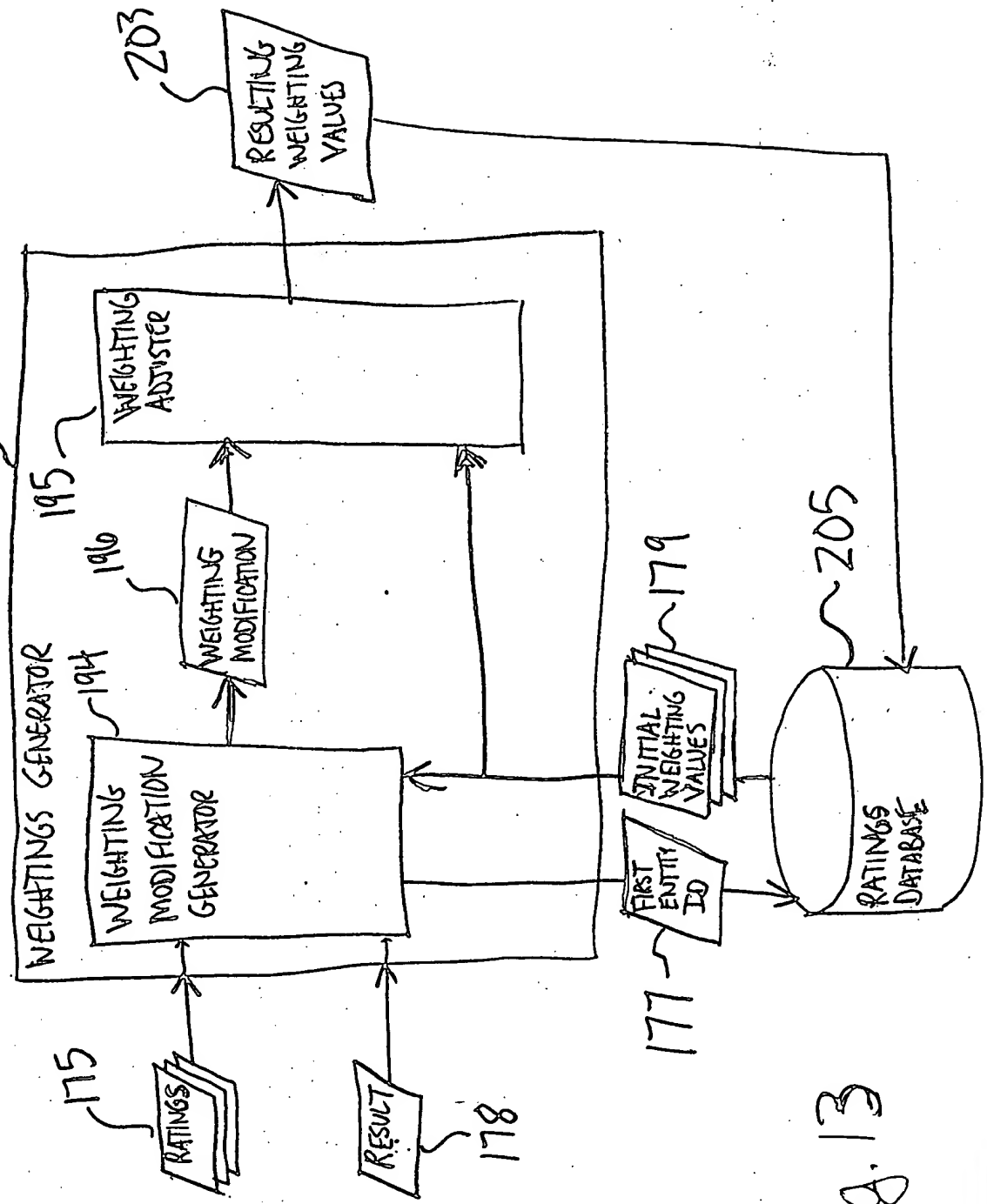


Fig. 13

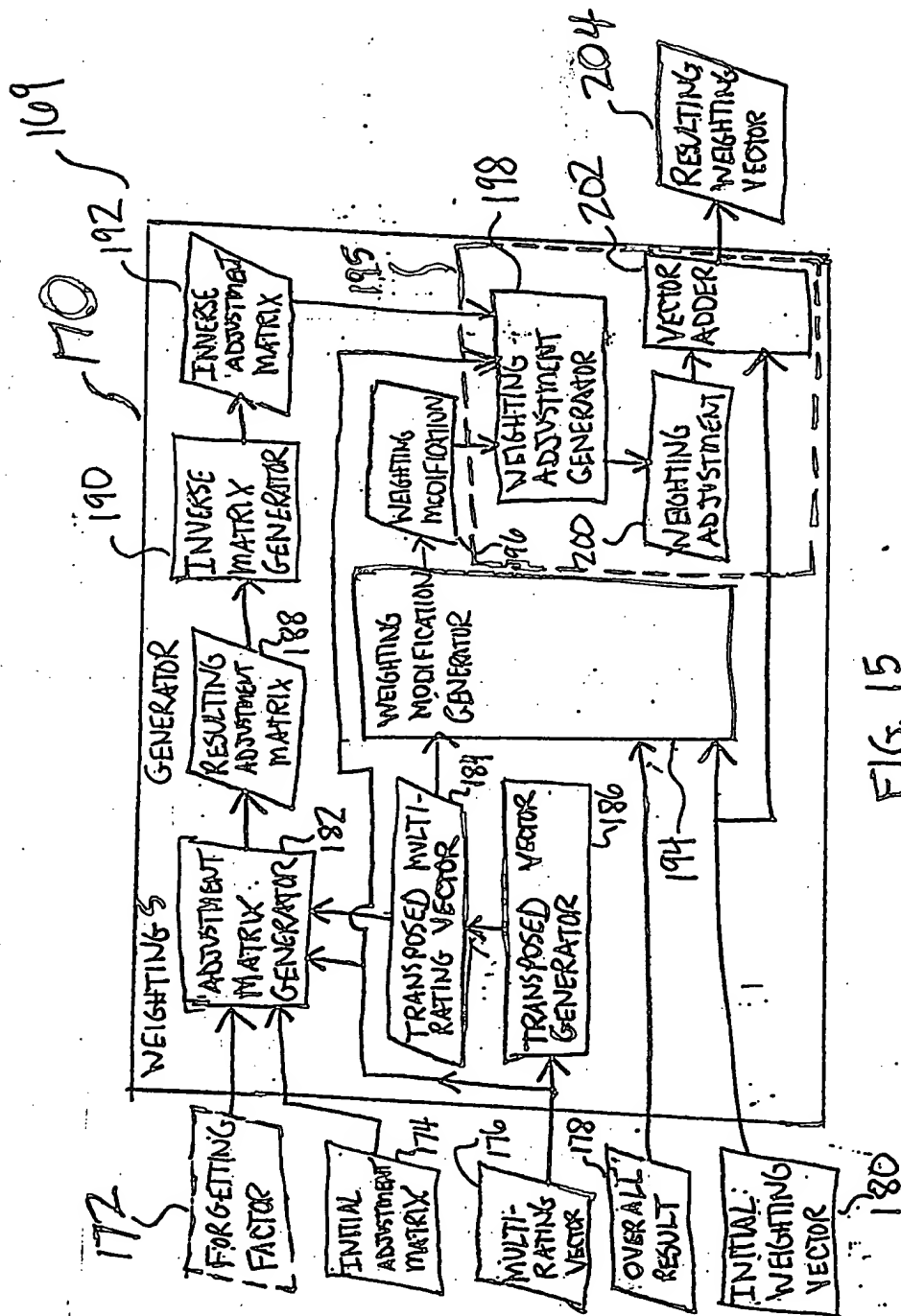


FIG. 15

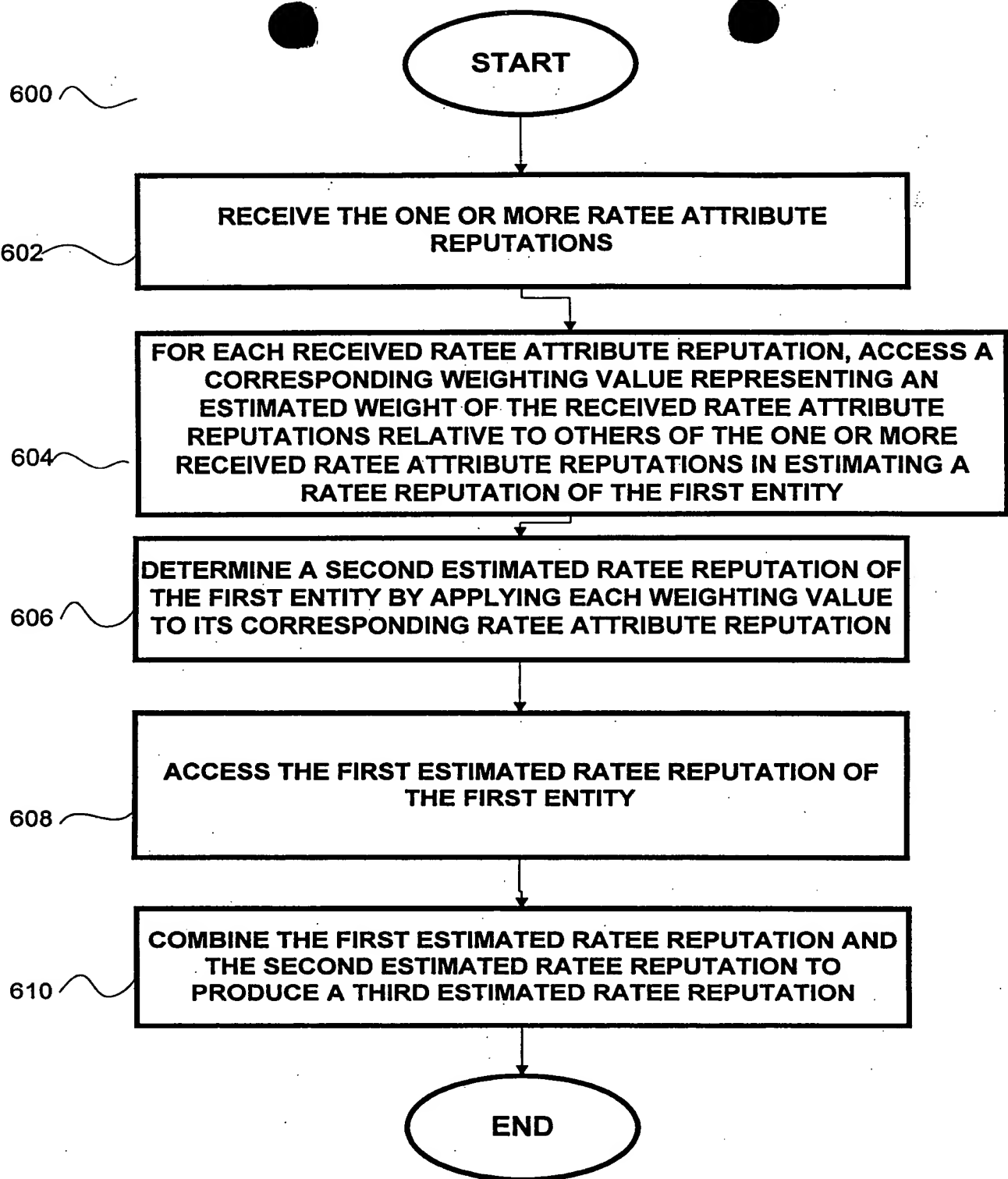


FIG. 16

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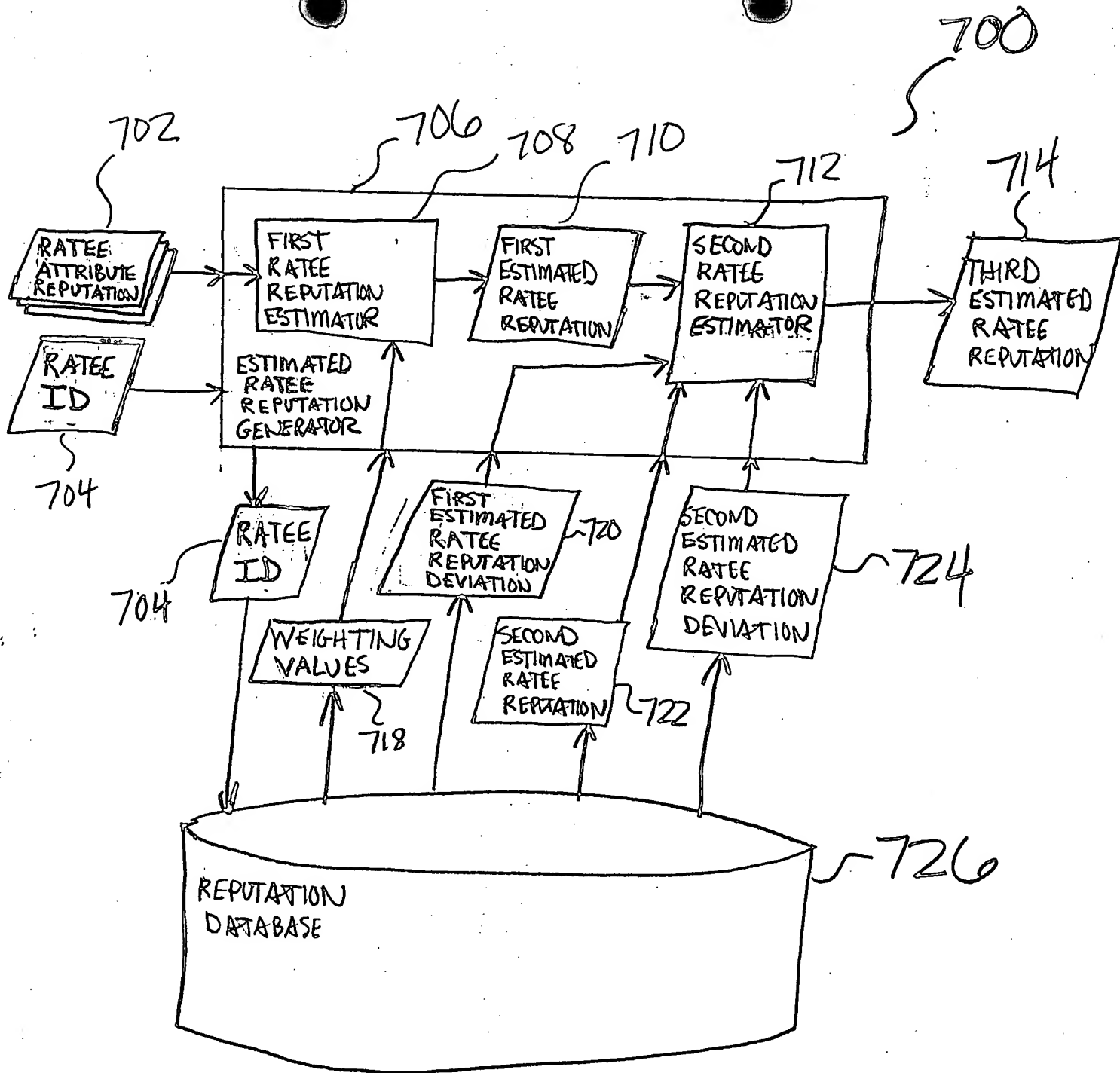


Fig. 17

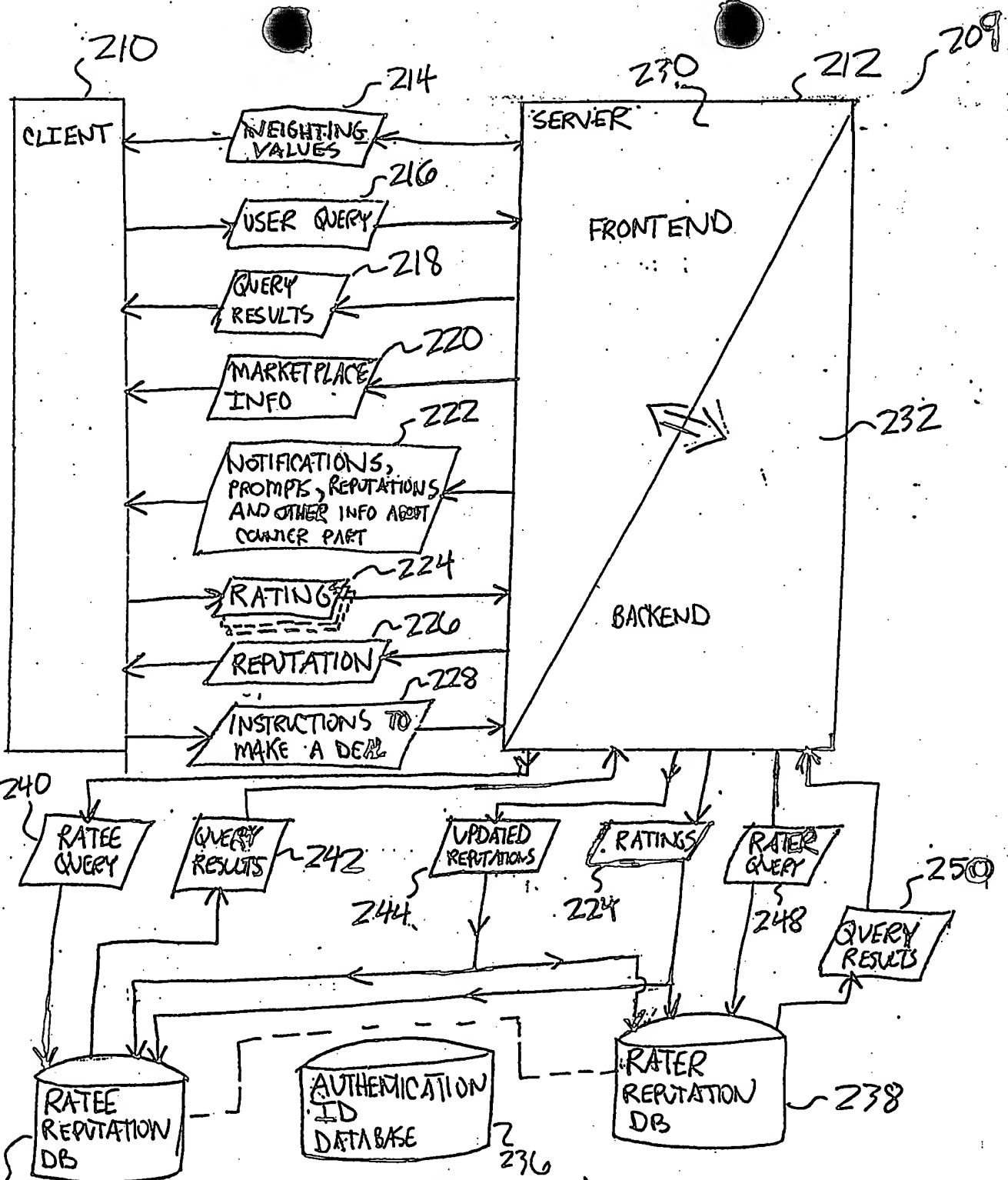


FIG. 18